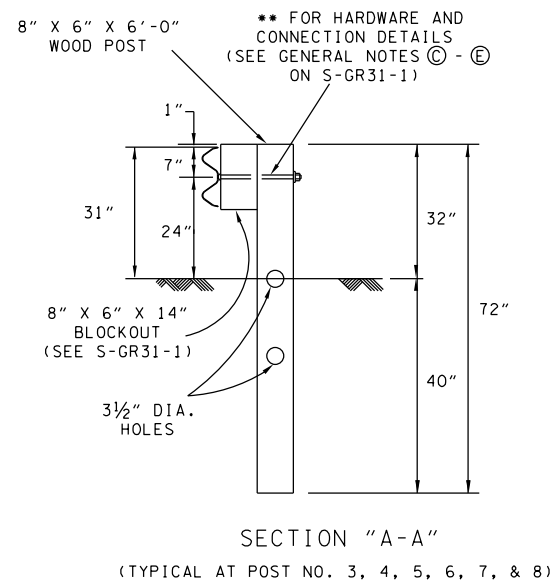


NOTE TO DESIGNER

DO NOT USE WITHOUT REFERENCING S-GRT-2P



SPECIAL INSTALLATION NOTES

ANY NCHRP 350 OR MASH COMPLIANT TL-3 TANGENTIAL END TERMINAL ON THE TDOT QUALIFIED PRODUCTS LIST MAY BE INSTALLED. MANUFACTURER'S SHOP DRAWINGS SHALL BE REQUIRED BEFORE ANY TANGENTIAL END TERMINAL INSTALLATIONS CAN BEGIN. THE CONTRACTOR SHALL HAVE ONE COMPLETE SET OF SHOP DRAWINGS ON SITE DURING INSTALLATION OR REPAIR OF ANY TANGENTIAL GUARDRAIL TERMINAL ANCHOR. THE CONTRACTOR SHALL ALSO PROVIDE THE CONSTRUCTION OR MAINTENANCE SUPERVISOR WITH ONE COMPLETE SET OF SHOP DRAWINGS INCLUDING TDOT QPL EVALUATION NUMBER.

FOR THE TYPE 38 GUARDRAIL TERMINAL TO FUNCTION AS IT WAS CRASH TESTED UNDER NCHRP-350 TEST LEVEL 3 THE EARTH PAD MUST BE CONSTRUCTED PER STANDARD DRAWING NO. S-GRT-3P OR S-GRT-3R.

DIFFERENT TANGENTIAL TERMINAL SYSTEMS OR PARTS SHALL NOT BE COMBINED ON A RUN OF GUARDRAIL.

POST MATERIAL SIZE, GUARDRAIL SPLICING LOCATION, TAPER RATE, OFFSET GUARDRAIL HEIGHT, EXTRUDER HEAD DIMENSION, AND ALL OTHER MISCELLANEOUS HARDWARE MAY BE DIFFERENT. INSTALLATION SHALL FOLLOW THE MANUFACTURER'S SHOP DRAWINGS.

GENERAL NOTES

(A) SYSTEM IS APPROVED FOR USE ON NATIONAL HIGHWAY SYSTEM ROADS.

(B) FOR ADDITIONAL DETAILS OF TERMINAL SYSTEM, REFER TO THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

(C) THE TANGENTIAL ENERGY ABSORBING TERMINAL (INCLUDING ANCHOR) IS TO BE INSTALLED UNDER THE PRICE BID FOR ITEM NO. 705-04.07 PER EACH.

(D) METAL POSTS ARE AN ACCEPTABLE ALTERNATE TO WOOD POSTS WHEN THE SYSTEM IS ON APPROVED PRODUCTS LIST, NCHRP 350 COMPLIANT AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SHOP DRAWINGS.

(E) TERMINAL SYSTEM MUST BE CONSTRUCTED SO THAT THE FULL LENGTH OF THE TERMINAL SYSTEM GUARD RAILING IS IN STRAIGHT ALIGNMENT. THE GUARD RAIL EXTRUDER/IMPACT HEAD SHALL NOT ENCROACH UPON THE ADJACENT PAVED SHOULDER OR LANE.

(F) FIRST 12'-6" FROM END IS GATING, DO NOT USE THIS SECTION IN LENGTH OF NEED.

(G) IF LENGTH OF NEED FOR GUARDRAIL NEEDS TO BE EXTENDED BEYOND THE THIRD POST EXTEND RUN OF GUARDRAIL.

(H) ALL HOLES IN WOOD POSTS ARE TO BE DRILLED BEFORE PRESERVATIVE TREATMENT.

(I) ALL CUTTING, DRILLING, AND WELDING OF STEEL COMPONENTS SHALL BE DONE BEFORE GALVANIZING.

(J) THE FINISHED CABLE ASSEMBLY WILL NOT BE ACCEPTABLE UNLESS IT IS IN TENSION WITH NO SAG.

50:1 TAPER OVER 50' LENGTH OF SYSTEM

| POST NO. | DECIMAL | |
|----------|---------|--------|
| | X | Y |
| 9 | 0.00' | 0.00' |
| 8 | 0.125' | 6.25' |
| 7 | 0.250' | 12.50' |
| 6 | 0.375' | 18.75' |
| 5 | 0.500' | 25.00' |
| 4 | 0.625' | 31.25' |
| 3 | 0.750' | 37.50' |
| 2 | 0.875' | 43.75' |
| 1 | 1.000' | 50.50' |